

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/099693 A3

- (51) International Patent Classification⁷: **A61K 31/415**
- (21) International Application Number:
PCT/US2005/005529
- (22) International Filing Date:
23 February 2005 (23.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/547,101 24 February 2004 (24.02.2004) US
- (71) Applicant (for all designated States except US): **THE REGENTS OF THE UNIVERSITY OF CALIFORNIA** [US/US]; 1111 Franklin Street, 12th floor, Oakland, CA 94607-5200 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **JUNG, Michael, E.** [US/US]; 2335 Manning Avenue, Los Angeles, CA 90064 (US). **OUK, Samedy** [KH/US]; 10801 Rose Avenue N°6, Los Angeles, CA 90034 (US). **SAWYERS, Charles, L.** [US/US]; 3343 Mandeville Canyon Road, Los Angeles, CA 90049 (US). **CHEN, Charlie, D.** [CN/US]; 3300 Sawtelle Blvd. n°306, Los Angeles, CA 90066 (US). **WELSBIE, Derek** [US/US]; 18420 Lemarsch Street, n°28, Northridge, CA 91325 (US).
- (74) Agent: **OLDENKAMP, David, J.**; Shapiro & Dupont LLP, 233 Wilshire Boulevard, Suite 700, Santa Monica, CA 90401 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

(88) Date of publication of the international search report:
26 January 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND MATERIALS FOR ASSESSING PROSTATE CANCER THERAPIES AND COMPOUNDS

(57) Abstract: A modest (2-5 fold) increase in androgen receptor (AR) mRNA is the only expression change consistently associated with developing resistance to antiandrogen therapy. Increased levels of AR confer resistance to anti-androgens by amplifying signal output from low levels of residual ligand and altering the normal response to antagonists. This invention provides cell based assays for use in the examination of new therapeutic modalities and provides for the design of novel antiandrogen compounds.

WO 2005/099693 A3